



METHOD AND PLANT FOR
SOLVENT-FREE MICROWAVE
EXTRACTION OF NATURAL PRODUCTS

ABSTRACT

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A microwave extraction method involves the steps of placing biological material in an enclosure without any solvent whatsoever and exposing the solvent-free biological material to microwave radiation to free at least some of the natural product, and then separating any residual biological material from the extracted natural product. Additionally, the microwave extraction method involves the steps of applying reduced pressure in the enclosure during the microwave radiation stage and heating the enclosure during at least most of the microwave radiation stage to compensate for the temperature drop resulting from water evaporation from the biological material.